

REMARKS

Reconsideration of this patent application is respectfully requested in view of the foregoing amendments, and the following remarks.

The Applicant wishes to thank Patent Examiner Jurie Yun for the many courtesies extended to the undersigned attorney during the Telephone Interview on June 20, 2011, with the undersigned attorney. The substance of this Telephone Interview is set forth in this Amendment, and in the Examiner Interview Summary mailed June 23, 2011.

There was a discussion of the objection to the drawings on Page 2 of the Final Office Action, because the "segment marking" in claim 14 must be shown or cancelled from the claims.

During the Telephone Interview, it was explained to the Patent Examiner that the drawings were complete, because the "segment marking" recited by claim 14 was shown in the drawings based upon transponder 8. This is discussed on page 6 in the second paragraph of the present Specification.

Hence this objection to the drawings will be withdrawn based upon this explanation.

During the Telephone Interview there was a discussion to answer the questions on Page 4 of the Final Office Action, as follows.

"How does the defect marking system use or correspond with the radiation emitted by the radiation source?"

"How is 'an irregularity or serious damage' detected by the defect marking system?"

The answer to both of these questions is based upon the fact that the defect marking system, the radiation source, and the emitted radiation are all interconnected by the process computer which is coupled to these various parts either directly, or indirectly, as shown in FIG. 1 of the drawings.

During the Telephone Interview, there was a discussion of the rejection of claim 34 on Page 4 of the Final Office Action, under 35 U.S.C. 112, second paragraph, as being incomplete for omitting essential structural cooperative relationships of elements, such omission amounting to a gap between the necessary structural connections.

In response to this rejection, the structural elements of claim 31 have been incorporated into claim 34. It was agreed by the Patent Examiner that this amendment to claim 34 would overcome this rejection under 35 U.S.C. 112. Because claim 34 now includes claim 31, claims 26 and 30 have been cancelled as being redundant. Claims 27 and 28 have been amended to revise the dependency from cancelled claim 26 to independent claim 34.

For all of the above reasons, the Specification, the drawings, and all the claims, are firmly believed to be in complete compliance with all the requirements of 35 U.S.C. 112.

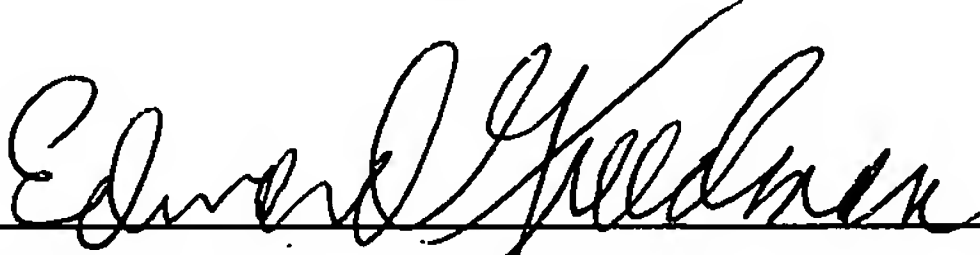
Withdrawal of this ground of rejection is respectfully requested.

Entry and consideration of this Amendment is believed to be proper, because it resolves all the issues in the Final Office Action, and does not raise any new issues requiring any new searching.

A prompt notification of allowability is respectfully requested.

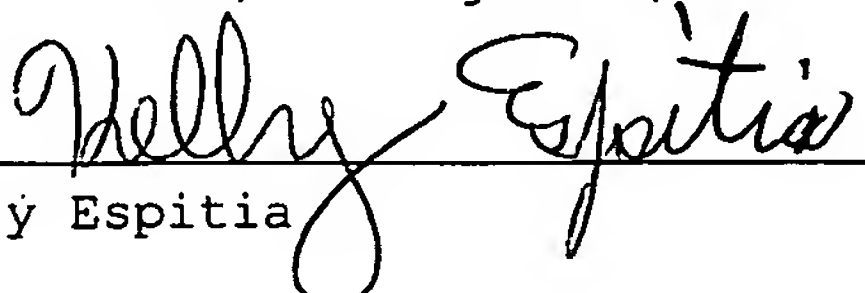
Respectfully submitted,
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I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to: Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on August 2, 2011


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